



CALIFORNIA
High-Speed Rail Authority

CENTRAL VALLEY CONSTRUCTION UPDATE

Board of Directors Meeting, Agenda Item 5

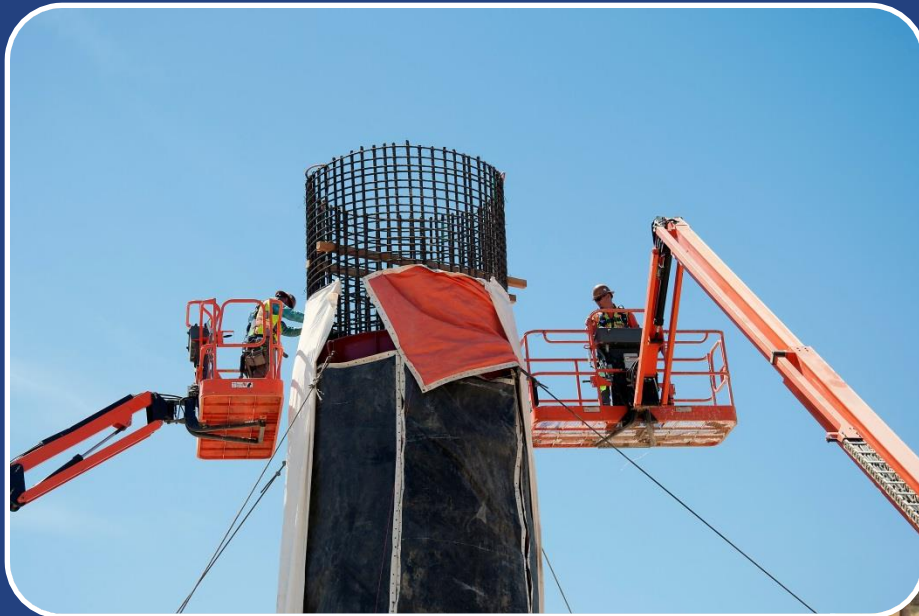
August 9, 2016

Sacramento, California



IT'S HAPPENING!

- Approximately 119 Miles
- Madera to North of Bakersfield
- Approximately \$3 Billion Investment



CONSTRUCTION PACKAGE 1: Active Sites

- Fresno River Viaduct (Madera County)
- Cottonwood Creek Viaduct
- San Joaquin Viaduct
- State Route 99 Realignment
- Fresno Trench and SR 180 Crossing
- Tuolumne Street Bridge
- Cedar Viaduct



CONSTRUCTION PACKAGE 1: Upcoming Work Sites

- **Avenue 8 and/or 7 Overcrossing**
- **Avenue 12 Overcrossing**
- **Avenue 15 Overcrossing**
- **American Avenue Overcrossing**
- **Herndon Canal Bridge**
- **Shaw Ave (Phase 1) Utility Relocations and Detours**

CONSTRUCTION PACKAGE 2-3

- Opened Project Office in Selma
- Design Advancing
- Meetings with Third Parties
- Preparations Underway for Construction of First Structures, Roadway Improvements



CONSTRUCTION PACKAGE 2-3

- Property Acquisition Progressing
- Clearing, Grubbing & Demolition
- Utility Relocation Beginning
- Geotechnical Work Underway



CONSTRUCTION PACKAGE 4

- Mobilization Underway
- Office in Wasco Expected to Be Open in September
- Preliminary Design Advancing
- Property Acquisition Progressing
- Stakeholder Meetings



RIGHT OF WAY: Status

- **CP 1**

- » Approved to Acquire 870 Parcels
- » In Possession of 563 Parcels

- **CP 2-3**

- » Approved to Acquire 552 Parcels
- » In Possession of 246 Parcels

- **CP 4**

- » Approved to Acquire 168 Parcels
- » In Possession of 32 Parcels

*As of August 4, 2016

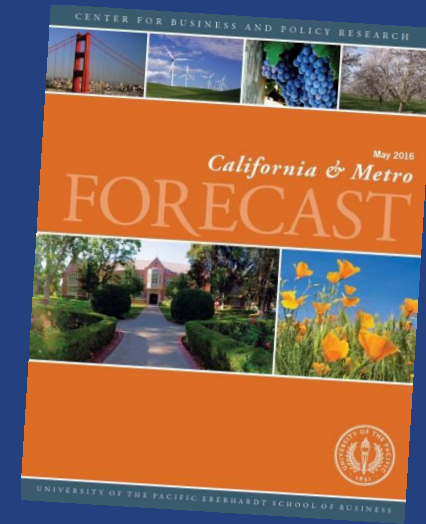
RIGHT OF WAY: Success Stories

- Cosmopolitan Tavern and Italian Grill



STEADY JOB GROWTH: High-speed Rail Impact

- May 2016 Report by the University of the Pacific
- Steady Growth Forecasted for California Economy
- Good News for Fresno
 - » Experienced Job Growth Over 3% in 2014 and 2015
 - » Unemployment rate dropped to single-digits
 - 4th time in the past 25 years
- High-Speed Rail Factor for Results
 - » Current and future construction activity in the region will keep expansion growing in 2016 and 2017



SMALL BUSINESS PARTICIPATION*

- **CP1**

- » 94 Small Businesses Subcontractors & Vendors Working

- 27 Small Business Enterprises
 - 23 Disadvantaged Business Enterprises
 - 13 Disabled Veteran Business Enterprises
 - 31 Micro Businesses

- » \$37.7 Million Paid Small Businesses Subcontractors & Vendors

- **CP 2-3**

- » 9 Small Businesses Working

*As of May 31, 2016

GET UP TO SPEED: buildhsr.com



July Construction Update

FRESNO, Calif. – Hard work is paying off at the high-speed rail project sites in the Central Valley. Since the start of construction more than a year ago, the project now has seven active sites with more to come this fall. In this month's construction update we showcase multiple images that highlight the progress we are making to build high-speed rail. For more pictures and continuous updates on construction, visit BuildHSR.com. For road closure information visit Caltrans QuickMap.

Fresno River Viaduct

Near Madera



The first glimpses of a finished product can be seen at the Fresno River Viaduct in Madera County. A long section of the viaduct is now free-standing after the "falsework" or support structure was removed. Concrete continues to be poured to finish the bridge deck on both sides of SR-145. Work to cross the highway will begin soon as will construction of the abutments.



Tuolumne Bridge Construction

Downtown Fresno



After more than 40 girders were placed in June, workers are now focused on the bridge deck at the Tuolumne Bridge in downtown Fresno. Form work is underway to create a mold for the bridge deck. Crews are working to complete this portion of the bridge by October.



State Route 99 Realignment

Central Fresno



These two photos show major progress in the early work at the southbound State Route 99 off-ramp to Golden State Blvd. This is part of the SR-99 Realignment project. Paving at Ashlan Avenue is also complete. Caltrans will soon close the Clinton Avenue off-ramp as it makes preparations to tear down and rebuild the bridge there.

